| COMBINED DECLARA   | ATION FOR PATENT   | APPLICATION AND POW | ER OF ATTORNEY   |  |  |
|--|--|---------------------|------------------|--|--|
|  | U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office                                |                     |                  |  |  |
|  | ATTORNEY DOCKET NO.: 051252-5269   |                     |                  |  |  |
| As a below named invent  | As a below named inventor, I hereby declare that:                                      |                     |                  |  |  |
| My residence, post office  | My residence, post office address and citizenship are as stated below next to my name, |                     |                  |  |  |
| I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:   |  |                     |                  |  |  |
| METHOD OF USING  | METHOD OF USING A TOOL TO FORM ANGLED ORIFICES IN A METERING ORIFICE DISC              |                     |                  |  |  |
| the specification of which   | ı·   |                     |                  |  |  |
| is attached here   |  |                     |                  |  |  |
| was filed as United States application Serial No. on and was amended on (if applicable); or  |  |                     |                  |  |  |
| was filed as PCT international application Number on and was amended under PCT Article 19 on (if applicable).  |  |                     |                  |  |  |
| We hereby state that We have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.  |  |                     |                  |  |  |
| We acknowledge the duty to disclose to the U.S. Patent and Trademark Office information which is material to the patentability of claims presented in this application in accordance with Title 37, Code of Federal Regulations, §1.56.  |  |                     |                  |  |  |
| We hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate or §365(a) of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed: |  |                     |                  |  |  |
| PRIOR FOREIGN APPLICATIONS   |  |                     |                  |  |  |
| COUNTRY  | APPLICATION  | DATE OF FILING      | PRIORITY CLAIMED |  |  |
| (if PCT, indicate "PCT")   | NUMBER   | (day, month, year)  | ☐ Yes ☐ No       |  |  |
|  |  |                     | ☐ Yes ☐ No       |  |  |

Combined Declaration For Patent Application and Power of Attorney - (Continued) (includes Reference to PCT International Applications)

ATTORNEY DOCKET NO.: 051252-5269

We hereby claim the benefits under Title 35, United States Code §119(e) of any United States provisional application(s) listed below.

## U.S. PROVISIONAL APPLICATIONS

U.S. PROVISIONAL APPLICATION NO. U.S. FILING DATE

We hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or §365(c) of any PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, We acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to the patentability of claims presented in this application in accordance with Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application(s) and the national or PCT international filing date of this application:

|   | PRIOR U.S. APPLIC | CATION | IS FOR BENEFIT            |         |           |  |
|---|-------------------|--------|---------------------------|---------|-----------|--|
| U.S. APPLICATIONS   |                   |        | STATUS                    |         |           |  |
| U.S. APPLICATION NO.  | U.S. FILING DA    | ГЕ     | PATENTED                  | PENDING | ABANDONED |  |
|   |                   |        |                           |         |           |  |
|   |                   |        |                           |         |           |  |
| PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT |                   |        |                           |         |           |  |
| INTERNATIONAL APPLICATION NO.                                   |                   |        | INTERNATIONAL FILING DATE |         |           |  |
|   |                   |        |                           |         |           |  |
|   |                   |        |                           |         |           |  |

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the registered practitioners of Siemens Corporation listed below and the registered practitioners of Morgan, Lewis & Bockius LLP included in the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith. All correspondence should be addressed to that Customer Number.

| ADEL A. AHMED       | I. MARC ASPERAS    | Stanton C. Braden   | JOSEPH S. CODISPOTI      |
|---------------------|--------------------|---------------------|--------------------------|
| REG. NO. 29,606     | REG. NO. 37,274    | Reg. No. 32,556     | REG. NO. 31,819          |
| Lawrence C. Edelman | Mark H. Jay        | ROSA S. KIM         | PETER A. LUCCARELLI, JR. |
| Reg. No. 29,299     | Reg. No. 27,507    | REG. NO. 39,728     | REG. NO. 29,750          |
| JEFFREY P. MORRIS   | Pasquale Musacchio | DONALD B. PASCHBURG | Laura M. Slenzak         |
| REG. No. 25,307     | Reg. No. 36,876    | REG. NO. 33,753     | Reg. No. 35,363          |
| Darryl A. Smith     | Daniel J. Staudt   | HEATHER S. VANCE    | SCOTT T. WEINGAERTNER    |
| Reg. No. 37,723     | Reg. No. 34,733    | REG. NO. 39,033     | REG. NO. 37,756          |
| ROBERT A. WHITMAN   | Ira. Lee Zebrak    | Rashmi S. Raj       |                          |
| REG. NO. 36,966     | Reg. No. 31,147    | Reg. No. 50,500     |                          |
|                     |                    |                     |                          |

Customer Number: 009629

Direct Telephone Calls To: David W. Laub (Reg. 38,708) (name and telephone number) (202) 739-5282

Khoi Q. Ta (Reg. No. 47,300) (202) 739-5203

| Combined Declaration For Patent Application and Power of Attorney - (Continued) (includes Reference to PCT International Applications)   |  |                                     |  |
|--|--|-------------------------------------|--|
| ATTORNEY DOCKET NO.: 051252-5269   |  |                                     |  |
| We hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon. |  |                                     |  |
| FULL NAME OF SOLE<br>OR FIRST INVENTOR   | J. Michael JOSEPH  |                                     |  |
| POST OFFICE<br>ADDRESS   | 706 Ninebark Ct. Newport News, Virginia 23608            | COUNTRY OF<br>CITIZENSHIP<br>U.S.A. |  |
| RESIDENCE  | Newport News, Virginia                                   |                                     |  |
| FIRST OR SOLE<br>INVENTOR'S SIGNATUR   | E J. Michael Joseph                                      | DATE 3/05/04                        |  |
| FULL NAME OF<br>SECOND INVENTOR  | Sara GRUBER  |                                     |  |
| POST OFFICE<br>ADDRESS   | 1603 Burtner Road<br>Natrona Heights, Pennsylvania 15065 | COUNTRY OF<br>CITIZENSHIP<br>U.S.A. |  |
| RESIDENCE  | Natrona Heights, Pennsylvania                            |                                     |  |
| SECOND INVENTOR'S<br>SIGNATURE   |  | DATE                                |  |
| FULL NAME OF THIRD INVENTOR  |  |                                     |  |
| POST OFFICE<br>ADDRESS   |  | COUNTRY OF<br>CITIZENSHIP           |  |
| RESIDENCE  |  |                                     |  |
| THIRD INVENTOR'S SIGNATURE   |  | DATE                                |  |
| FULL NAME OF<br>FOURTH INVENTOR  |  |                                     |  |
| POST OFFICE<br>ADDRESS   |  | COUNTRY OF<br>CITIZENSHIP           |  |
| RESIDENCE  |  |                                     |  |
| FOURTH INVENTOR'S<br>SIGNATURE   |  | DATE                                |  |

Listing of Inventors Continued on Attached Page(s) 

☑ No ☐ Yes

## COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office ATTORNEY DOCKET NO.: 051252-5269 As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original. first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: METHOD OF USING A TOOL TO FORM ANGLED ORIFICES IN A METERING **ORIFICE DISC** the specification of which: $\boxtimes$ is attached hereto; or was filed as United States application Serial No.\_on \_\_\_\_\_ and was amended on (if applicable); or was filed as PCT international application Number \_\_\_\_\_ on \_\_\_\_ and was amended under PCT Article 19 on \_\_\_\_\_ (if applicable). We hereby state that We have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. We acknowledge the duty to disclose to the U.S. Patent and Trademark Office information which is material to the patentability of claims presented in this application in accordance with Title 37, Code of Federal Regulations, §1.56. We hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate or §365(a) of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed: PRIOR FOREIGN APPLICATIONS COUNTRY **APPLICATION** DATE OF FILING PRIORITY CLAIMED (if PCT, indicate "PCT") .NUMBER (day, month, year) □ No ☐ Yes ☐ Yes □ No

| Combined Declaration For Pa<br>(includes Reference to PCT In   |   |  | of Attorney - (Cor  | ıtinued)  |   |  |
|--|---|--|---|---|---|--|
|  |   | <del></del>  | ATTORNE   | Y DOCKET N  | NO.: 051252-5269  |  |
| We hereby claim the be<br>provisional application(   |   | United   | States Code §119  | (e) of any Uni  | ted States  |  |
|  | U.S. PROVISIO   | NAL A  | PPLICATIONS   |   |   |  |
| U.S. PROVISIONAL API   |   |  |   | FILING DATI   | Ξ   |  |
|  |   |  |   |   |   |  |
| We hereby claim the bene or §365(c) of any PCT intelisted below and, insofar a that/those prior application Code, §112, We acknowle known to me to be materia Title 37, Code of Federal application(s) and the national content of the second se | ernational application(s) is the subject matter of en(s) in the manner provided the duty to disclose all to the patentability of Regulations, §1.56 which onal or PCT internation | designate death of the ded by the to the Usual Colores of the Usual Colores of the designation of the design | ating the United Sta<br>the claims of this ap<br>the first paragraph of<br>U.S. Patent and Trac<br>presented in this ap<br>ne available between<br>date of this applica | ates of America plication is not of Title 35, Unit demark Office a plication in account the filing date | that is/are disclosed in ed States all information ordance with |  |
| U.S. APPLI   | PRIOR U.S. APPLI  | CATION   | NS FOR BENEFIT  | STATUS  |   |  |
| U.S. APPLICATION NO.   | U.S. FILING DA  | TE   | PATENTED PEND   |   |   |  |
|  |   |  |   |   | 115111 (5 61 (55  |  |
| ,  |   |  |   |   |   |  |
| PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT  |   |  |   |   |   |  |
| INTERNATIONAL APPLICATION NO.  |   | INTERNATIONAL FILING DATE  |   |   |   |  |
|  | -d  |  |   | 7.5   |   |  |
| POWER OF ATTORNE<br>Siemens Corporation lister<br>included in the Customer I<br>in the Patent and Tradema<br>Customer Number.  | d below and the register<br>Number provided below   | red pract<br>to pros   | titioners of Morgan,<br>secute this application   | Lewis & Bock on and to transa   | ius LLP<br>ct all business                                      |  |
| ADEL A. AHMED<br>REG. No. 29,606   | I. MARC ASPERAS<br>REG. NO. 37,274  |  | Stanton C. Braden<br>Reg. No. 32,556  | Joseph S.<br>Reg. No. :   | Codispoti<br>31,819   |  |
| Lawrence C. Edelman<br>Reg. No. 29,299   | Mark H. Jay<br>Reg. No. 27,507  |  | Rosa S. Kim<br>Reg. No. 39,728  | PETER A. 1<br>REG. No. 2  | Luccarelli, Jr.<br>29,750                                       |  |
| JEFFREY P. MORRIS<br>REG. No. 25,307   | PASQUALE MUSACCHIO<br>REG. No. 36,876   | I  | DONALD B. PASCHBURG<br>REG. No. 33,753  | Laura M.<br>Reg. No. 1  | SLENZAK   |  |
| DARRYL A. SMITH<br>REG. No. 37,723<br>ROBERT A. WHITMAN  | Daniel J. Staudt<br>Reg. No. 34,733<br>Ira. Lee Zebrak  | H<br>H   | HEATHER S. VANCE<br>REG. NO. 39,033<br>RASHMI S. RAJ  |   | WEINGAERTNER  |  |
| REG. No. 36,966  | REG. No. 31,147   | REG. No. 50,500  |   |   |   |  |

Customer Number: 009629

Direct Telephone Calls To: (name and telephone number)

David W. Laub (Reg. 38,708) (202) 739-5282

or

Khoi Q. Ta (Reg. No. 47,300) (202) 739-5203

|  | r Patent Application and Power of Attorney - (Continued   | )                                  |
|--|---|------------------------------------|
| (includes Reference to PC  | T International Applications)   |                                    |
|  | ATTORNEY DOC  | KET NO.: 051252-5269               |
| on information and belief a<br>knowledge that willful fals<br>under Section 1001 of Titl | statements made herein of my own knowledge are true and that are believed to be true; and further that these statements were not se statements and the like so made are punishable by fine or imperent and the United States Code, and that such willful false state ion or any patent issuing thereon. | nade with the prisonment, or both, |
| FULL NAME OF SOLE<br>OR FIRST INVENTOR   | J. Michael JOSEPH   |                                    |
| POST OFFICE  | 706 Ninebark Ct.  | COUNTRY OF                         |
| ADDRESS  | Newport News, Virginia 23608  | CITIZENSHIP<br>U.S.A.              |
| RESIDENCE  | Newport News, Virginia  | U.S.A.                             |
| FIRST OR SOLE<br>INVENTOR'S SIGNATUR   |   | DATE                               |
| FULL NAME OF<br>SECOND INVENTOR  | Sam GRUBER  |                                    |
| POST OFFICE  | 1603 Burtner Road   | COUNTRY OF<br>CITIZENSHIP          |
| ADDRESS  | Natrona Heights, Pennsylvania 15065   | U.S.A.                             |
| RESIDENCE  | Natrona Heights, Pennsylvania   | 0.5.A.                             |
| SECOND INVENTOR'S SIGNATURE  | Samuel A. Aruber  | DATE<br>MARCH 11,2004              |
| FULL NAME OF THIRD INVENTOR  |   |                                    |
| POST OFFICE<br>ADDRESS   |   | COUNTRY OF<br>CITIZENSHIP          |
| RESIDENCE  |   |                                    |
| THIRD INVENTOR'S SIGNATURE   |   | DATE                               |
| FULL NAME OF FOURTH INVENTOR   |   |                                    |
| POST OFFICE<br>ADDRESS   |   | COUNTRY OF<br>CITIZENSHIP          |
| RESIDENCE  |   |                                    |
| FOURTH INVENTOR'S<br>SIGNATURE   |   | DATE                               |